

FIG. 2A

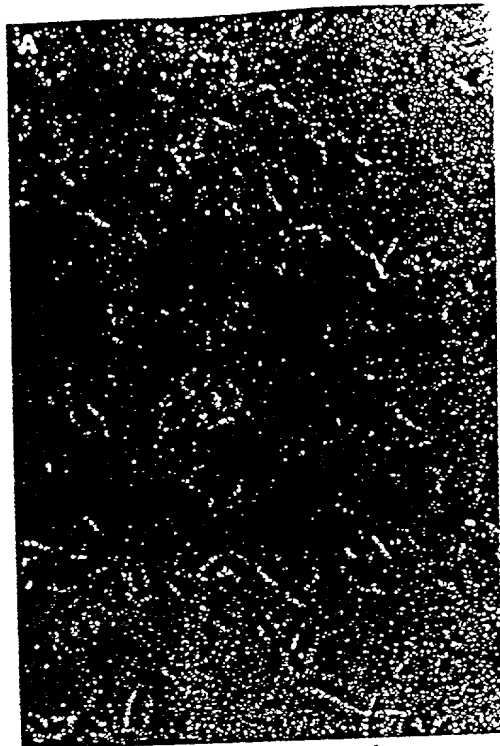
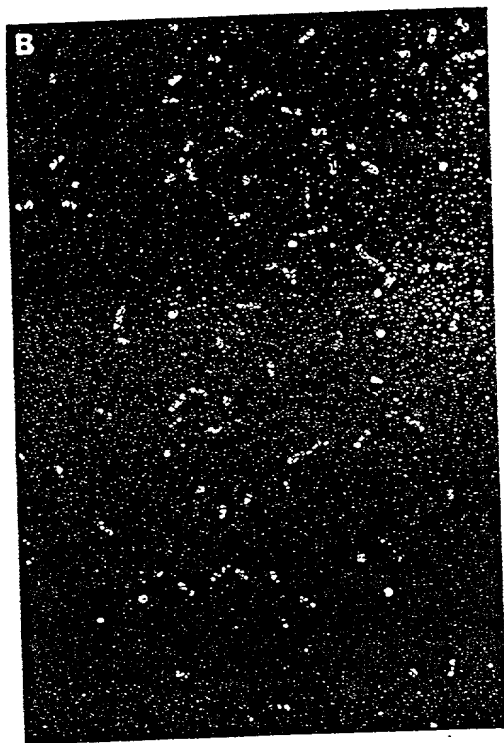


FIG. 2B



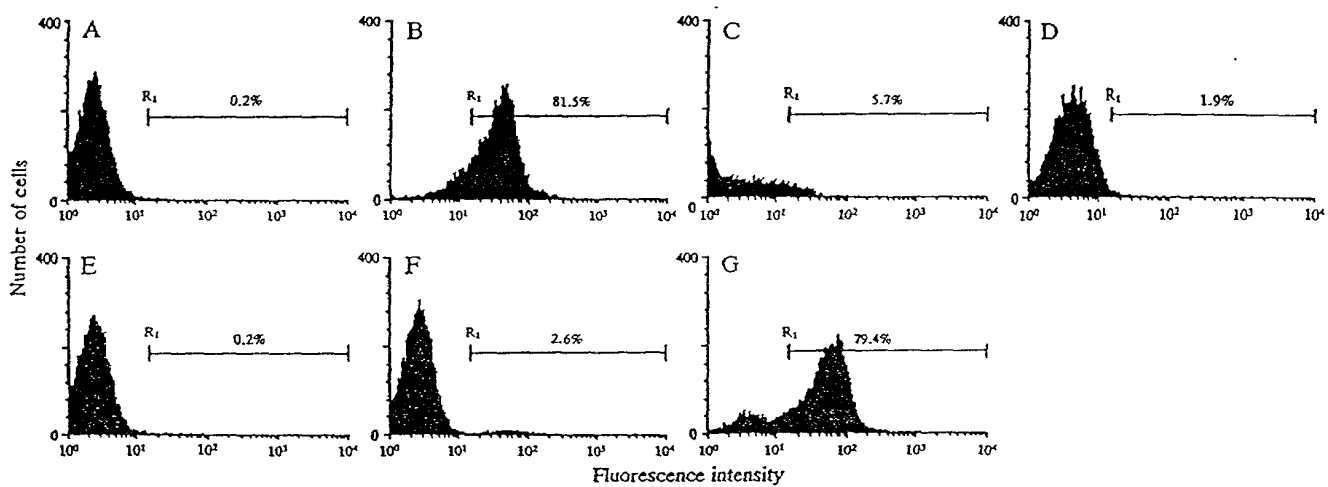


FIG. 3A-3G

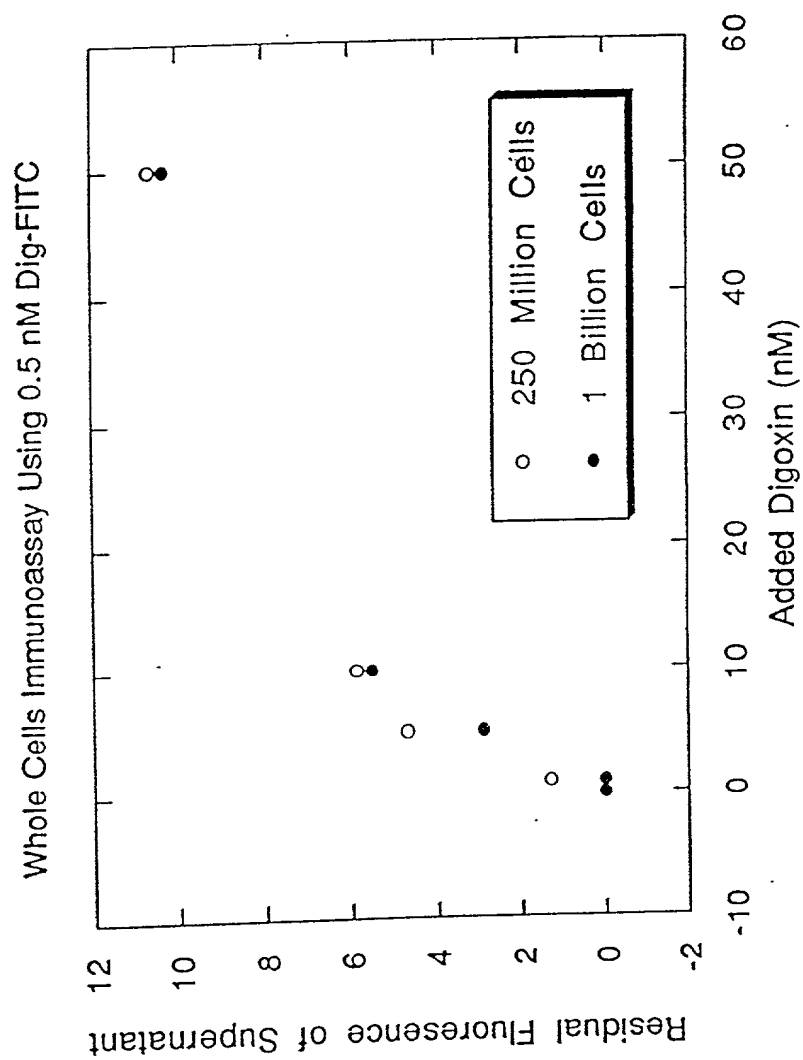


Fig. 4

FIG. 5A

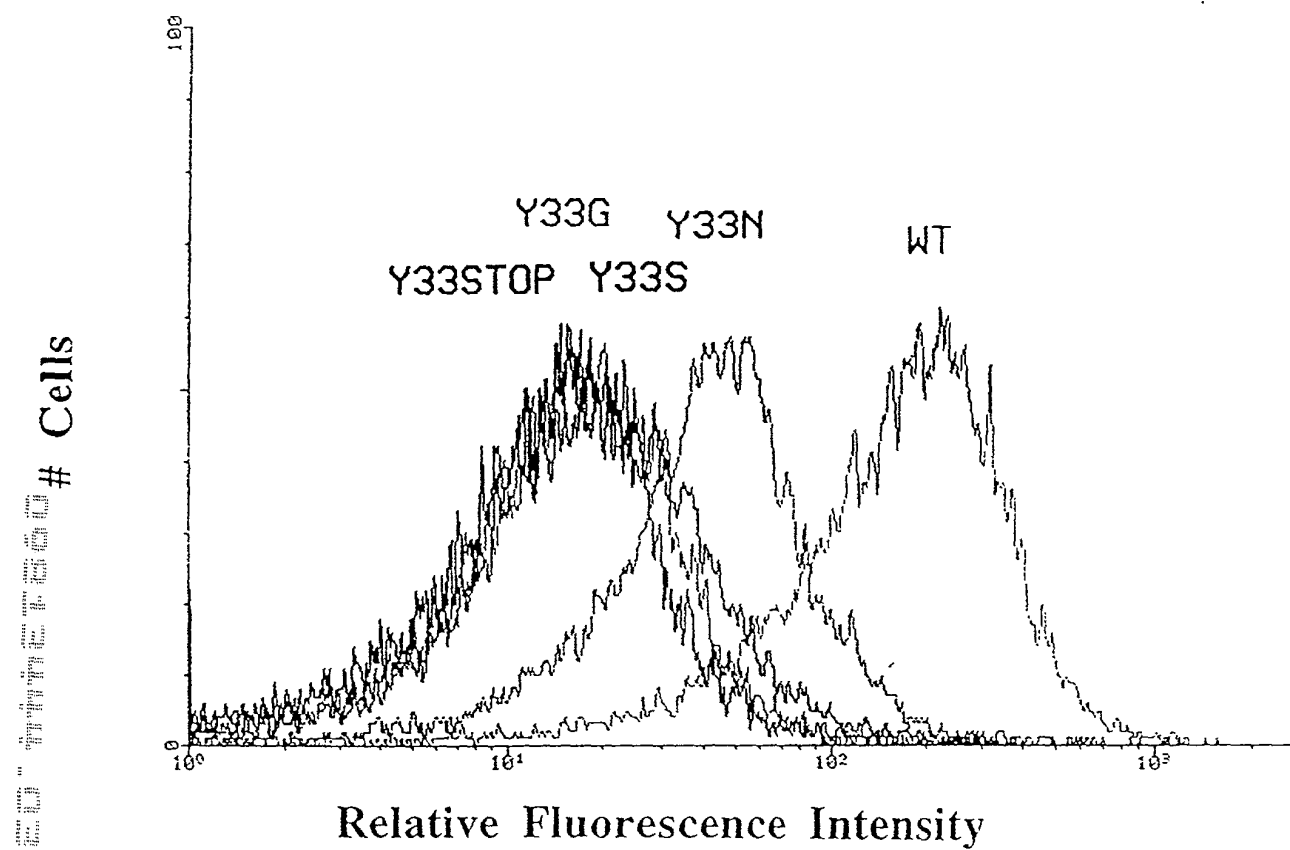


FIG. 5B

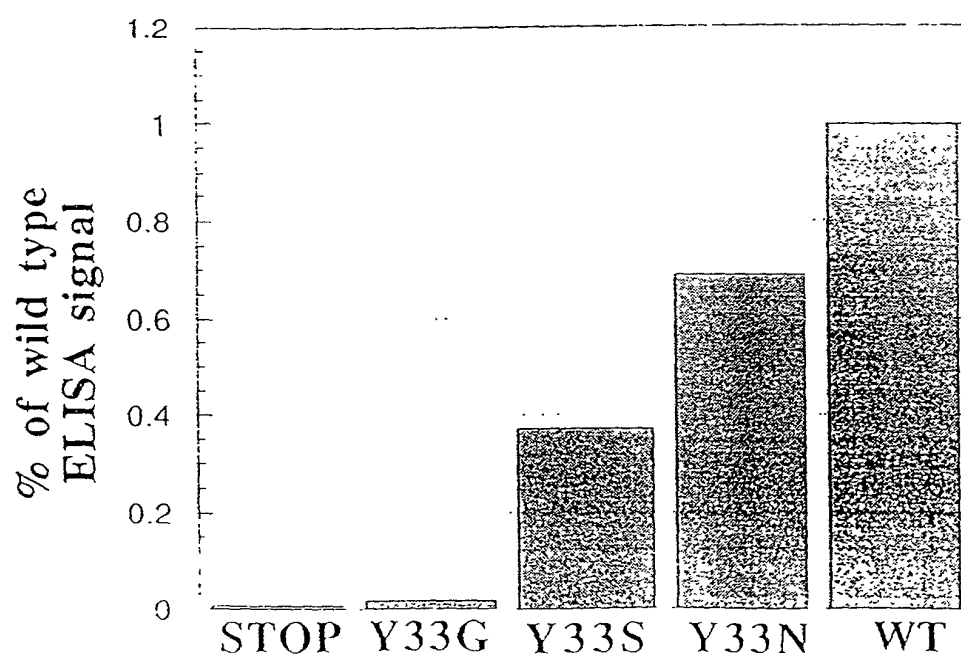
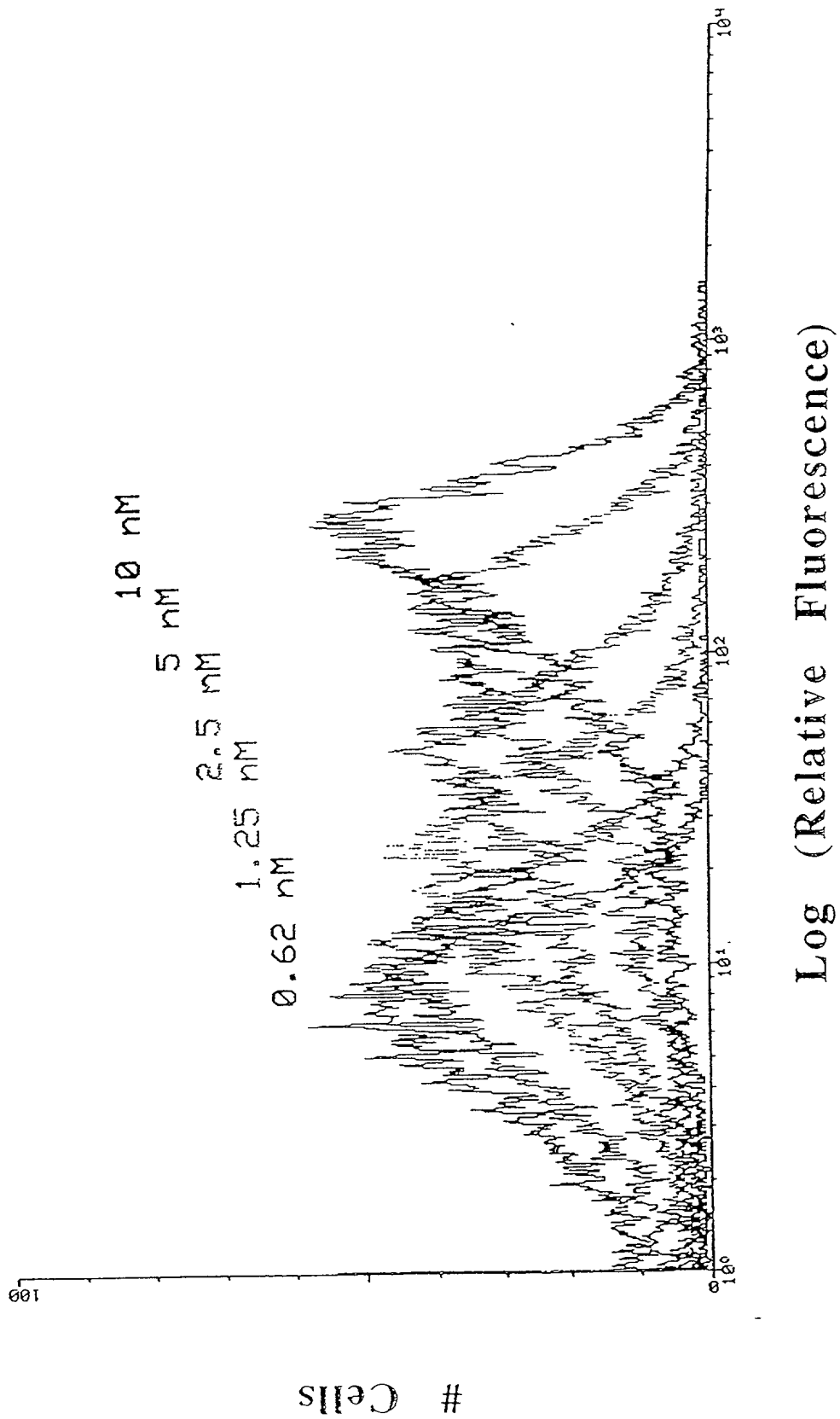


Fig. 6A



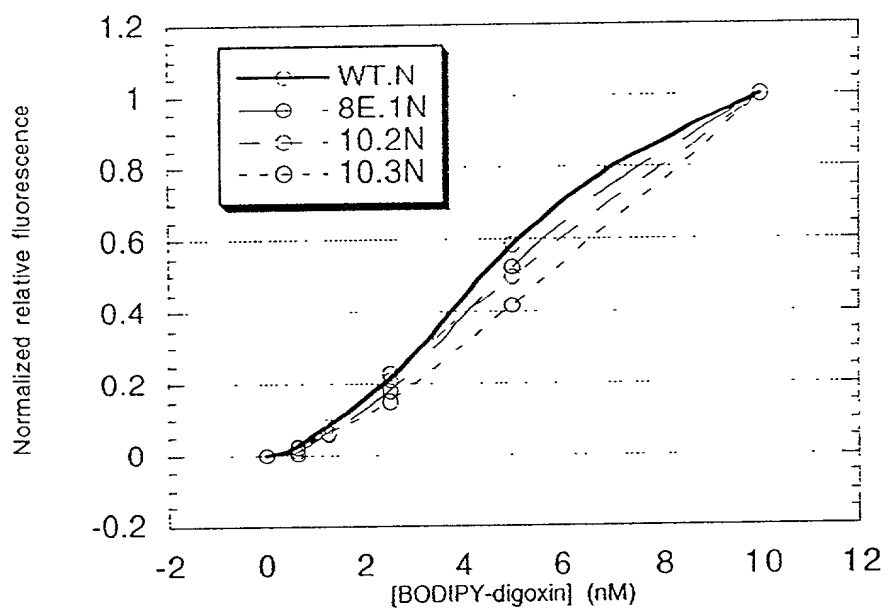


Fig. 6B

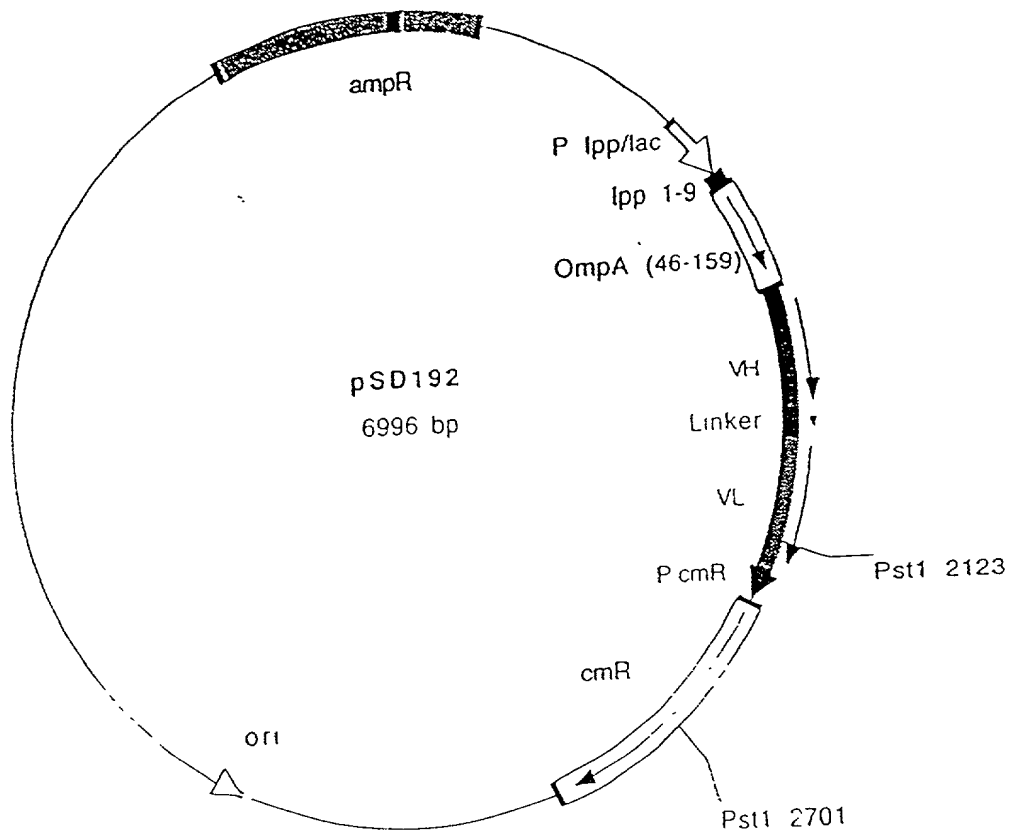
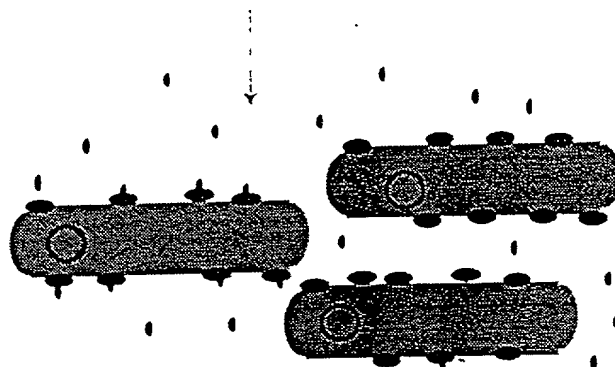


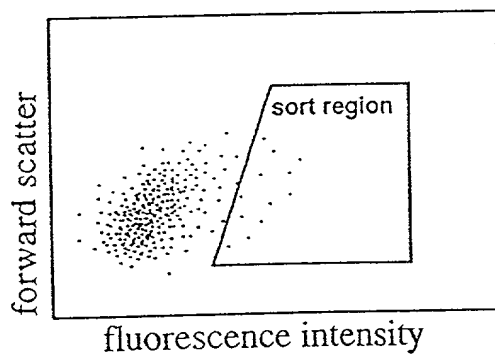
FIG. 7

1. transform plasmid
scFv library and
amplify by growth

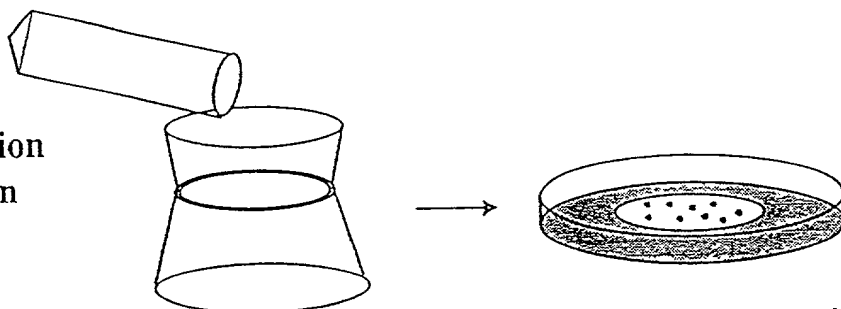
2. incubate antibody-
expressing cells with
fluorescently tagged
antigen



3. sort high - fluorescence
cells by FACS



4. collect sorted
cells by filtration
and amplify on
an agar plate



5. assay colonies for high-
affinity antigen binding
by flow cytometry

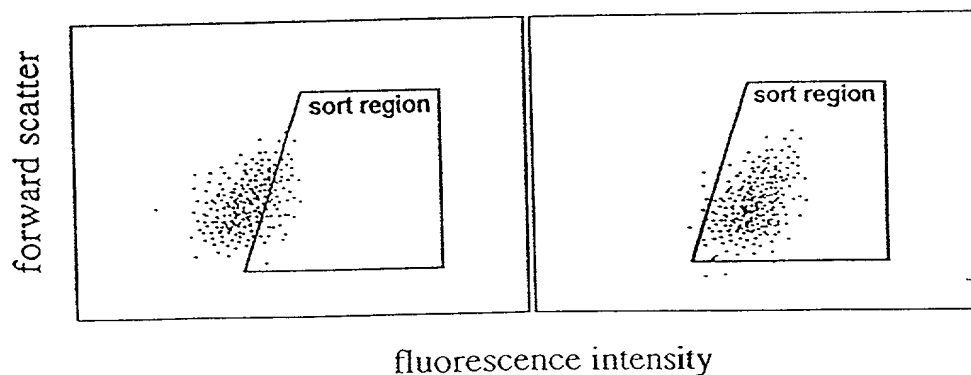
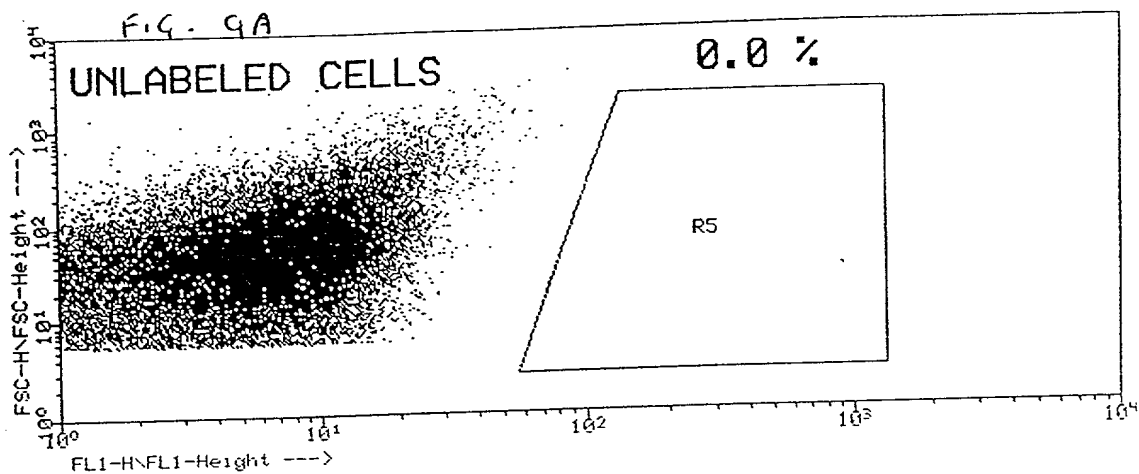
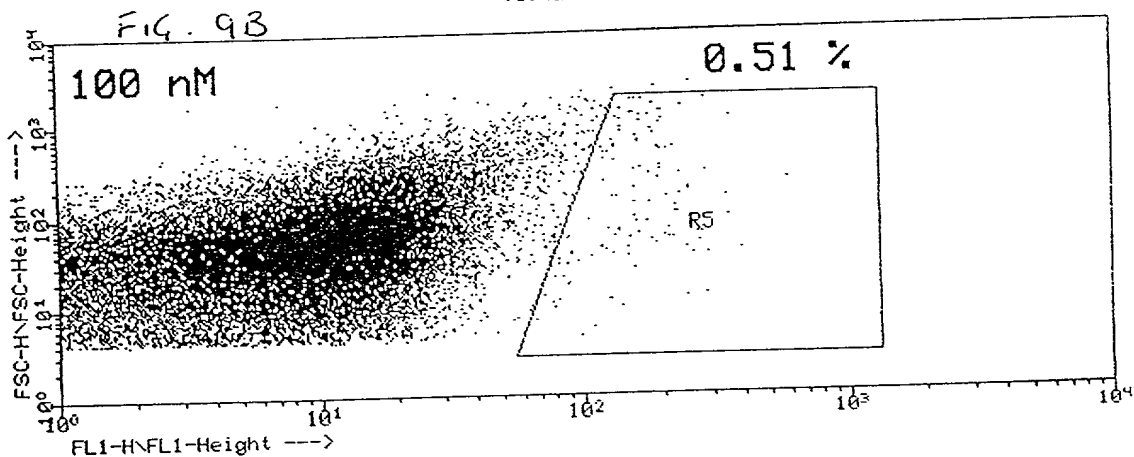


Figure 9A, 9B, 9C



U3:429702



U3:P003

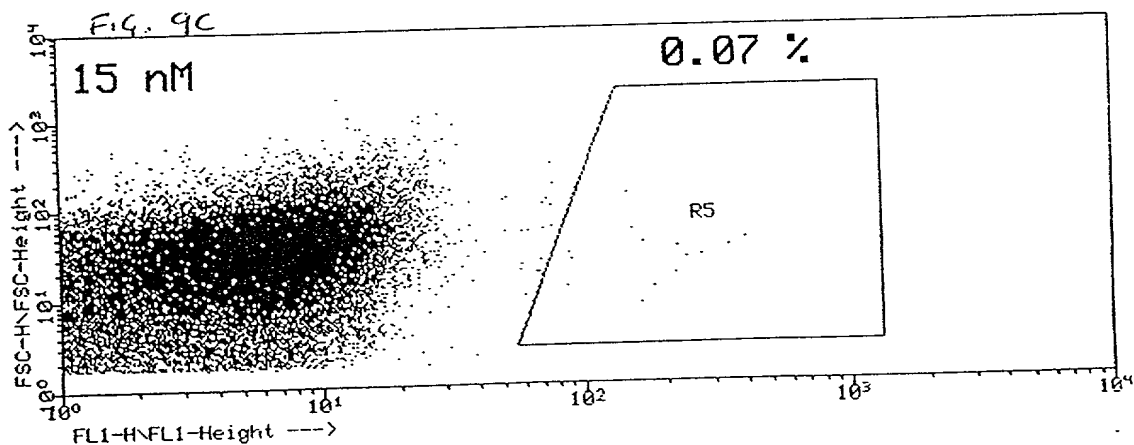


Fig. 9D

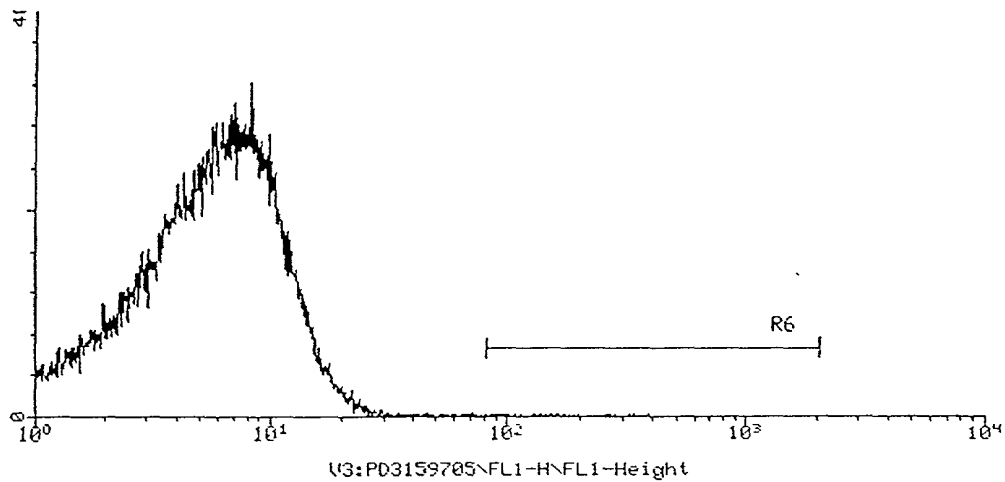


Fig. 9E

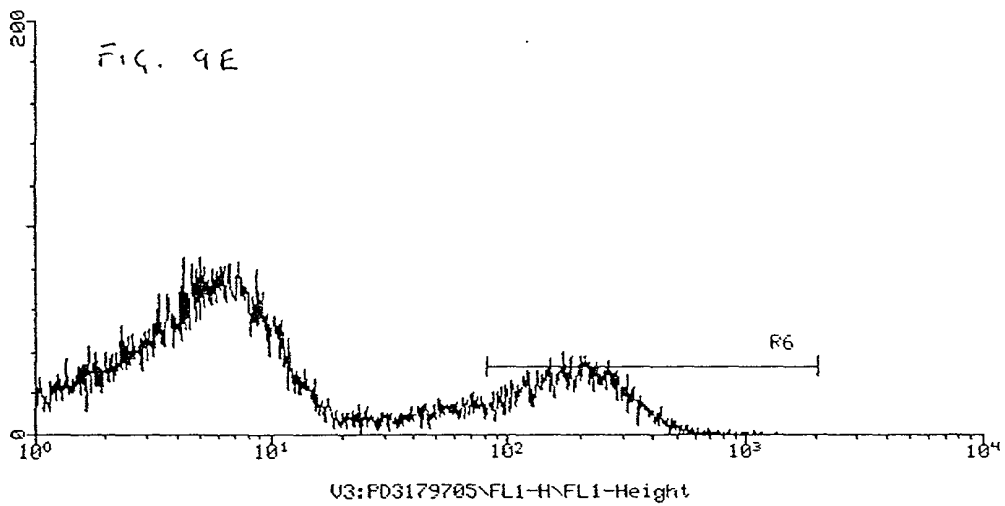


Fig. 9F

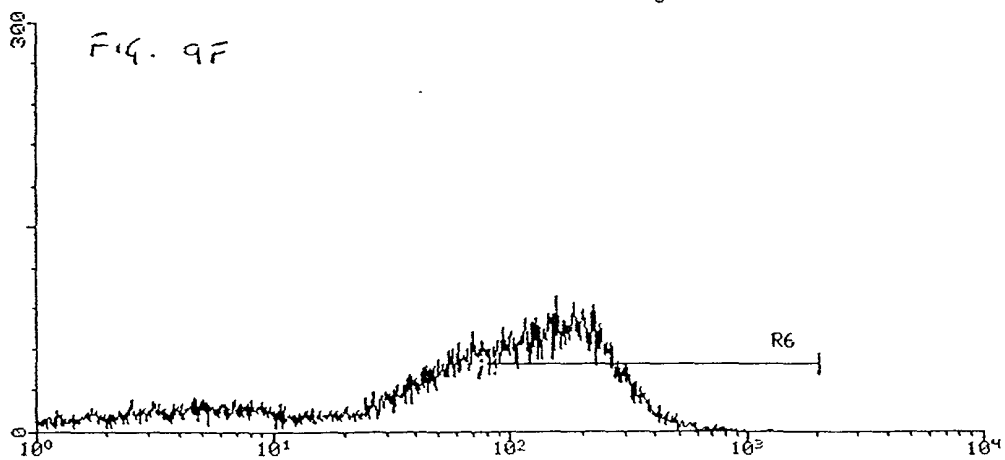
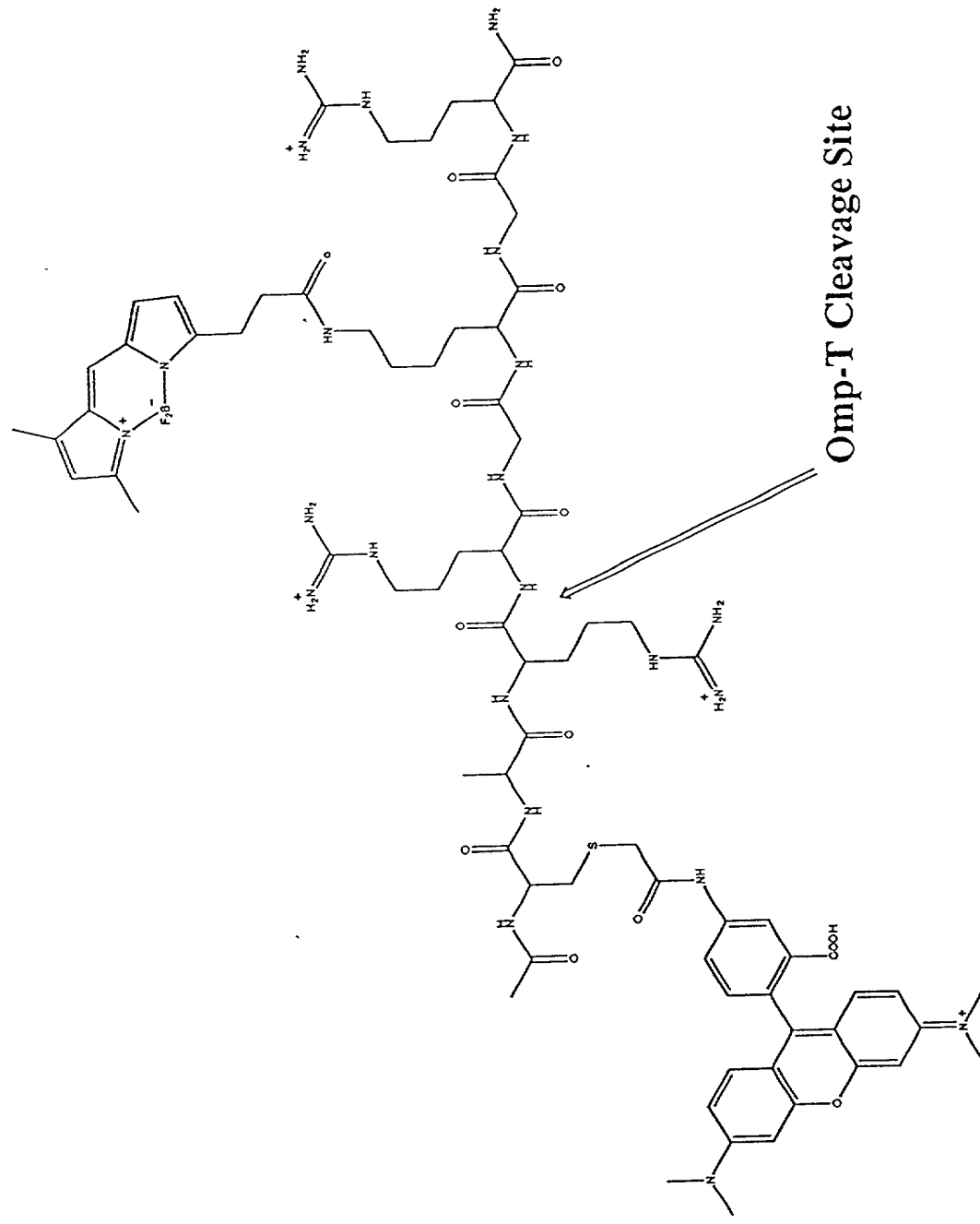


Fig. 10 TETRAMETHYL RHODAMINE-BODIPY SUBSTRATE



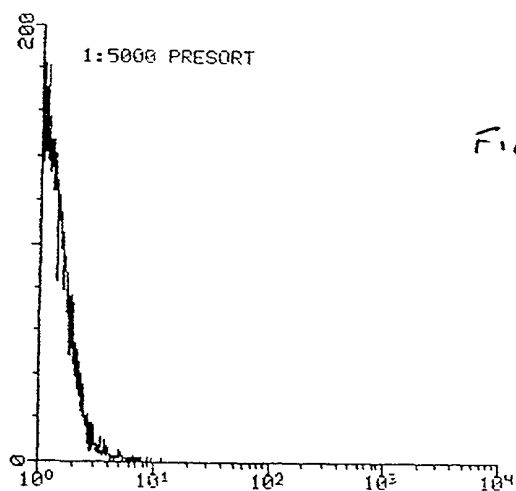


Fig. 12A

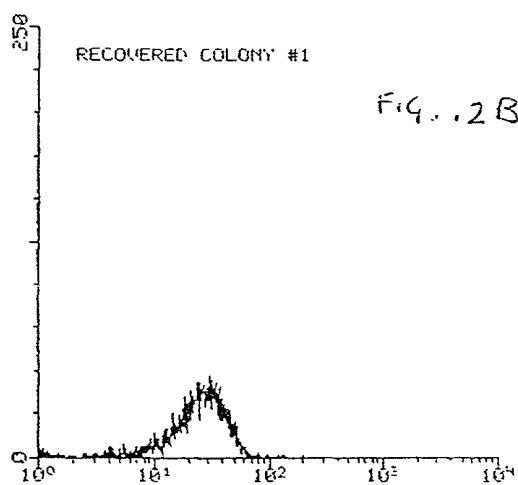


Fig. 12B

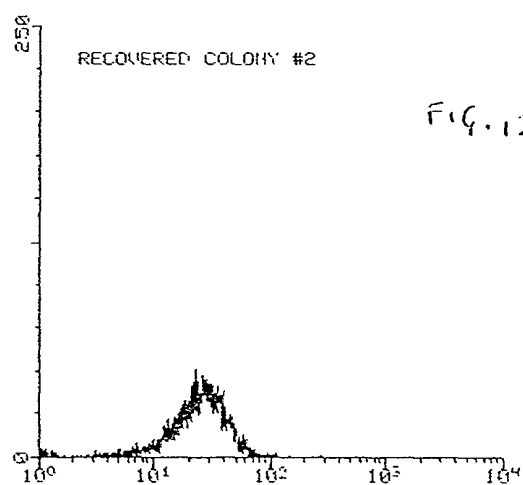


Fig. 12C

RECOVERED COLONY #1